### Approved For Release 2002/06/13: CIA-RDP68B00724R000200100005-4

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14 MAY 1968

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SUBJECT: Support Requirements Meeting ITEK Optical Bar Camera (10 May 1968)

1. A meeting was convened at 0900 hours, Friday, 10 May 1968, in the OSA Comptroller's Room for discussions on ITEK Optical Bar Camera support requirements.

All. .43		OSA		AFRDR-P	
25X1A			]		25X1A
				·	
25X1A		of (a) obtaining the	loan of a and, by so doing;	t up the possibility for the (b) authorizing ITEK	25X1A
	i I	fications. This was a proposals whereby 1 or	a recommended alter 3 "unmodified" v	rnative to earlier	
25X1A	n a	availability date, the	of the specific details required items o	performed exploratory  At this concerning its desired of AGE and the contem-	25X1A
25X1A	ŧ	olated period of the the the meeting andto the Pentagon.		oned the information	
•	•	(NOTE: The following neeting.)	developments occu	rred subsequent to the	

GROUP 1
Excluded from automatic downgrading and declassification

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	' '		•	
25X1A 25X1A	loan of the	was successful in obtai	ning	
	b. It will be avai and its supporting AGE b loan will be 4 - 5 month on airlift of the items.		od of required,	
25X1A		W/11   'DYOND     ** bo ald /		ъХ1
25X1A	d. USAF the West Coast, week of to release #3 or #4 to the Project and to fing the arrangements.		hether 25	5X1 5X1
25X1A	e. USAF expressed of in original "as is" condit requested that the nur run through be determined figures, in case it had to for re-work actions. It that not more than 15 flicamera and that much of to of interfacing, installat actions. In any event, to be made of the any great consequence. He as part of the loan agree such costs as may develop original condition.	mber of "Cycles" it would and that OSA obtain cost to be placed in the ITEK advised this ights are contemplated for the period of the loan within and vehicle compatable operational use that is not expected to be something to be proposed to be something to be proposed.	on, d be st Facility writer 25 or this ill consist oility would be of es OSA,	iΧ1
		attempting to borrow an nterim support of the te	00C st	•

# 4. Hatches:

a. Lockheed had not been requested to manufacture hatches for the Optical Bar Camera to fit the "R" vehicle, since approval for procurement of this camera was not

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received until recently. This meeting established the hatch requirement as a total of 11; i.e., 5 for SAC and 6 for Project. Lockheed will have to be advised of this requirement. (Action: D/M/OSA with staff coord).

- b. Lockheed is currently producing 12 "B" hatches for the "R" vehicle. Question asked on whether or not it would be logical to request Lockheed to cease production of "B" hatches at a certain number and divert the balance to support of the Optical Bar Camera hatch requirements. Before this can be done, coordination with D/OPS/OSA must be effected on its short and long range operational plans as affect both the "R" and "C" Model vehicles and concepts regarding employment of optical sensors through these same periods. (Action: D/M/OSA, D/OPS/OSA & D/R&D/OSA)
- c. Actions will have to be taken promptly, in either respect, on notifying the appropriate vendor regarding availability of "Glass" and delivery for installation in hatches. (Action: D/M/OSA, coord. D/R&D/OSA)

(NOTE: ITEK representative noted 8 weeks are required for glass delivery, however, it takes longer to fabricate the frames.)

# 5. Delivery Schedules and Concepts:

a. Dr. Flax memorandum states the distribution
pattern of the Optical Bar Cameras will be 6 for Project
6 for USAF and 1 in Project Depot storage.
mall mall to good began blottage.
will solicit an interpretation from Dr. Flax's
office regarding "storage" of the 13th Optical Bar
Camera. This group considered it more realistic to
pre-position the camera at North Base under Project
Depot administrative control, as opposed to storing
control, as opposed to storing
it in a Depot watchouse. This would permit technicians
to exercise the sensor and insure that adequate environ-
mertal controls are maintained. (Action: AFRDR-P)
AFRDR-P)

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b. Delivery of camera location should, preferabl it can support this requir- augmentation as can be pro-	s from factory to operating y, be via air. P/Depot stated ement, along with such vided by Project aircraft.
cameras and AGE be delivered	nded that "first batch" of ed to Customer #1. The ra deliveries was agreed to
#1 thru #4 #5 thru #8 #9 and #11 #10 and #12 #13	<ul> <li>North Base, Edwards AFB</li> <li>Davis-Monthan AFB</li> <li>North Base, Edwards AFB</li> <li>Davis-Monthan AFB</li> <li>(to be determined)</li> </ul>
go-ahead. At the moment, and some should be moment, and will be provided on this and (i.e., 15-16 May) when ITER If #1 is delivered in December of or the contract of the cont	this appears to be the end of ecember 1968. Firmer details

e. It was noted that an Optical Bar Camera could be flown in the "R" vehicle using an "H" hatch. It was reiterated at this meeting and is made a matter for record that this should not be tied to any operational employment thinking for the camera. This suggestion only applies to use of the Camera during test program actions at North Base. Use of an "H" Camera hatch with the Optical Bar Camera introduces degradations and other shortcomings.

pending other developments in the

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f. As an item of information, some of the functions to be tested with the \_\_\_\_\_\_\_ include the hand controls, cockpit display, electrical interface and inter-connections, placement in the vehicle, etc. Since the Optical Bar Camera is comprised of much electrical circuitry, special safeguards against electrical interference from other systems must be applied.

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g. (D/R&D/OSA) stated planning is that the first 4 cameras delivered to North Base each be given 3 performance test flights and validations. If successful, the cameras will be accepted and certified. Subsequent acceptances of cameras will be upon completion of tests and certifications at the ITEK facility. SAC may elect to perform its own flight tests at later dates, however, it will accept its cameras once the Project has assured that a quality sensor is, in fact, available.

# 6. AGE (Aerospace Ground Equipment):

a. Approval for 7 sets of AGE to support the Optical Bar Camera operations had been received. Consensus at this meeting was that <u>initial</u> distribution of AGE be as follows:

Sets #1 and #2 Sets #3 and #4 Set #5 Set #6 Set #7

- North Base, Edwards AFB

- Davis-Monthan AFB

- North Base, Edwards AFB

- Davis-Monthan AFB

- (Pre-positioned at North Base, Edwards AFB)

(NOTE: As with the Camera deliveries, both Davis-Monthan and North Base are shown as initial recipients of these assets for planning purposes. Obviously, further distribution to SAC "OL's" and other Project activities will be made as dictated by operational requirements. ITEK stated delivery of AGE will be compatible with camera deliveries.)

b. At a previous meeting (29 April 1968) ITEK described the major line items of equipment that comprise a "set of AGE". Further discussions, this date, indicated further review should be made of these items as relate to the levels of Maintenance to be applied and the Detachment's location and operational role. For example, the initially proposed "set of AGE" includes a heavy check-out console that is well-fitted to home base utilization, but which could present weight and cube problems during a quick deployment. Rather than

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procure 7 sets of AGE (along with 7 of these consoles) it would appear more realistic that some "suit-case" (or mobile go-no-go) tester version be obtained and the number of heavy consoles reduced accordingly. In short, a home station would have a console to perform field maintenance functions, as well as the capability to deploy repidly with the less cumbersome suitcase version. ITEK is re-studying the entire AGE composition per the above concepts and provide its recommendations. Under this thinking, the following distribution of check-out consoles and the suitcase testers was considered appropriate:

Det. G - 1 console & 2 suitcase testers Project:

Det. H l console & l suitcase tester

SAC: (OL's & D/M)- 3 consoles & 1 suitcase tester

c. ITEK will also give this Headquarters its recommendations regarding the type of shipping container appropriate for this camera; i.e., (1) a box-like, heavily-reinforced container, (2) a shipping dolly and housing combination, or (3) a "mix" of these two types of AGE. (The initially-recommended shipping container plus camera totals about 900 lbs.)

### 7. Spares and FAK's

ITEK has an initial proposed listing of spares. However, at the request of Project Depot and ITEK representatives, this subject will be gone into further detail in the near future. Spares support of the Optical Bar Camera is not expected to be a critical problem area. The predominance of electrical circuitry in this sensor will permit field maintenance through replacement and insertion of modules or cards.

### 8. Tech Data

ITEK is in the preliminary phases of developing tech data for this sensor. Among the manuals to be published are a flight handbook (classified), and the appropriate field maintenance, factory maintenance and parts break-down manuals.

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Further discussions need to be held with ITEK by USAF and Project personnel on this subject. Participants agreed to hold this at a later date.

## 9. General Topics:

- a. The "R" vehicle will have the Mark IV hand control. No problems are foreseen on Optical Bar Camera interface with the time code generator (TCG)
- b. The type of film used on the Optical Bar Camera is 5", type 3404. Project Depot representative stated he will be conferring with ITEK on establishing levels of spools, as can be best estimated by anticipated consumption and pipeline factors.
- c. At such time in the future that the Optical Bar Camera requires factory maintenance actions, these will be performed at the Palo Alto facility. Participants at this meeting were advised not to get too concerned at this time about the equipment, etc. that will be required at that facility.
- d. A subsequent telephone call from AFRDR-P on 13 May 1968 advised this writer that Dr. Flax's office has agreed to pre-positioning #13 camera at North Base, as recommended in paragraph 5a.

Lt. Col. USAF C/P&R Div/M/OSA 25X1A

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PRD/M/OSA: : cm
Distribution: : cm

#1 - WPAFB

#25X1A #2 - W/R Depot
#3 - D/M/OSA (Chrono)
#4 - RB/OSA